

TPM 21106  
ER 07-09-010

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June 30, 2008

Paxton Surveying & Engineering  
P. O. Box 2759  
Escondido, California

Subject: Site Evaluation for Liquefaction Potential, APN 188- 161- 05

Gentlemen:

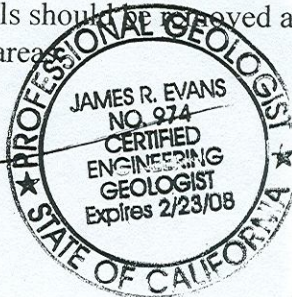
In accordance with your request, we have examined the site to determine whether the site belongs in a zone established by the County of San Diego requiring Liquefaction Investigation. We examined the exposures on the site, reviewed a Percolation Test Report prepared for the site, and reviewed an Orthophotographic map of the site from the County of San Diego offices.

Our observations revealed that the sit is underlain by weathered granitic rock except for the extreme southwest corner where thicker deposits of colluvium cover the weathered granitic rock. Residual boulders of granitic rock are scattered over the site and at the edge of the area underlain by colluvium. This colluvium area , however, was investigated for the proposed leach field system confirming that the area was underlain by weathered granitic rock within ten feet of the ground surface and with no perched groundwater. Two areas were identified as having been previously graded at some time in the past. The areas have from one to three feet of uncertified fill which has been placed on the downslope side. The 1973 Orhophotographic map reveals that these same areas existed at that time and are therefore not of recent origin.

It is our opinion that the site should not be included in the potential liquefaction zone due to the material underlying the site which is not subject to liquefaction or other geologic problems. The uncertified fills should be removed and replaced as compacted fill if structures are proposed in those areas.

Very Truly Yours

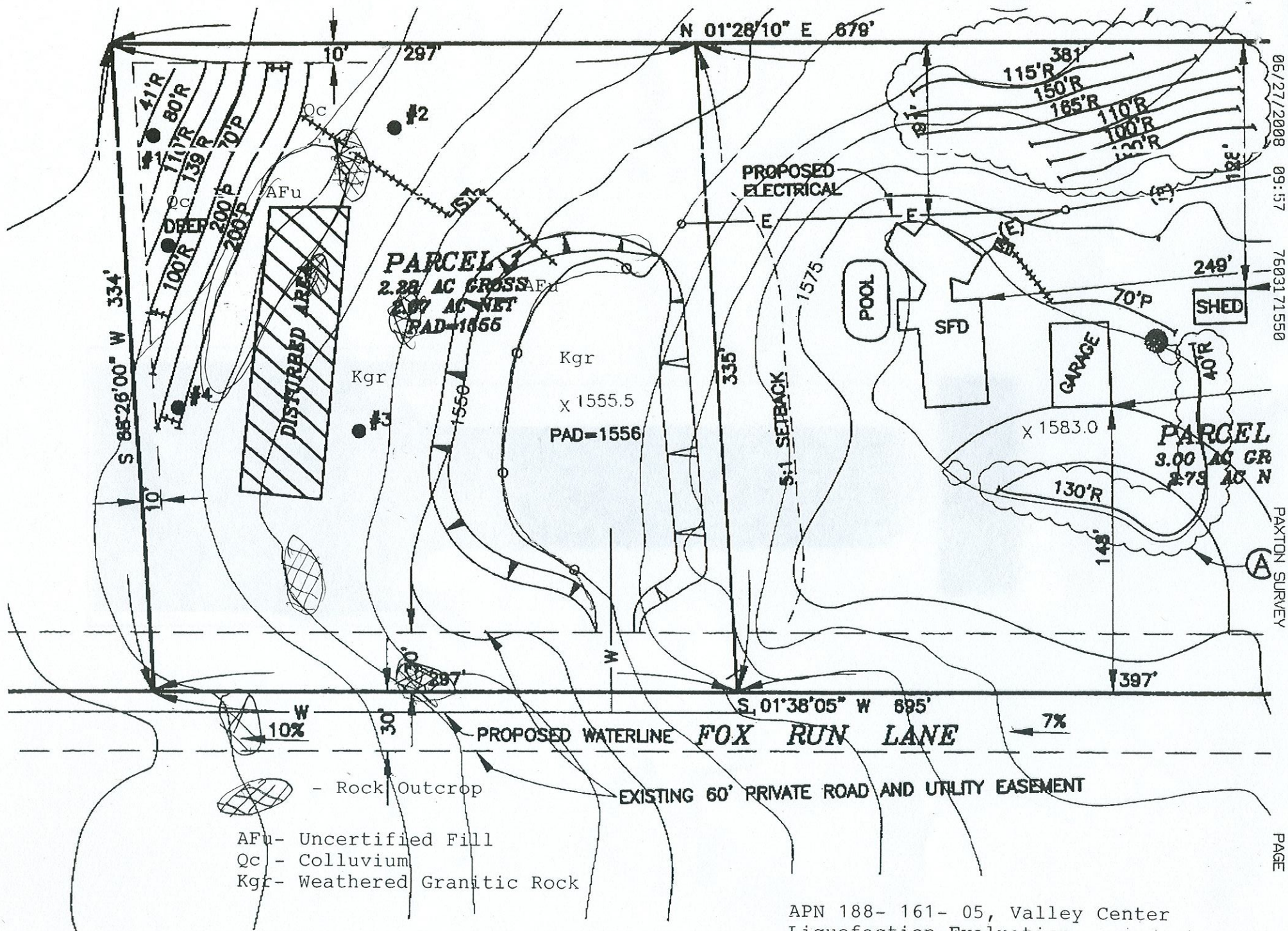
James R. Evans, CEG 974, Exp. 2010



Attachments:

- 1) Site Plan & Boulder Locations, Plate 1
- 2) 1973 Orhophoto/Topographic Map, Plate 2





AFu- Uncertified Fill  
 Qc- Colluvium  
 Kgr- Weathered Granitic Rock



APN 188- 161- 05, Valley Center  
Liquefaction Evaluation  
1972 Aerialphoto/ Topographic Map, Plate 2